

FIG. 1
(PRIOR ART)

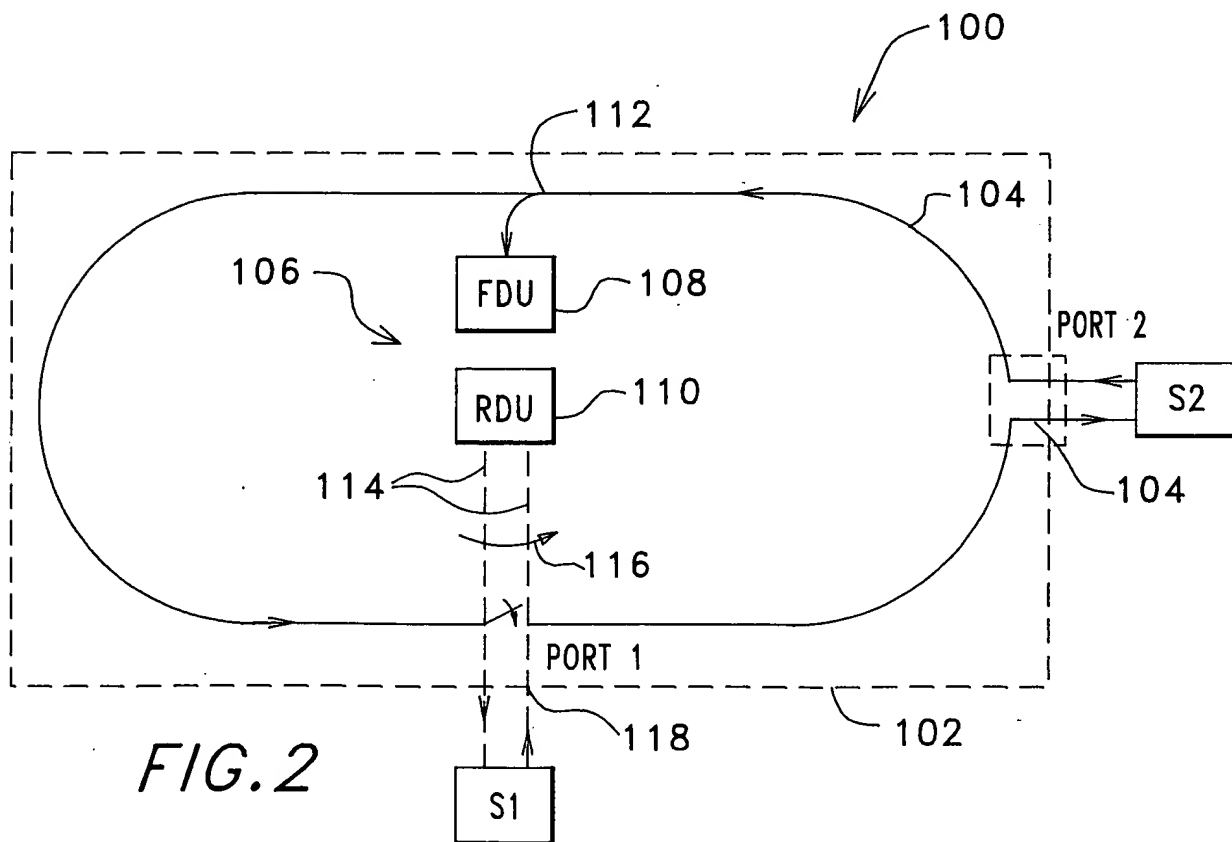


FIG. 2

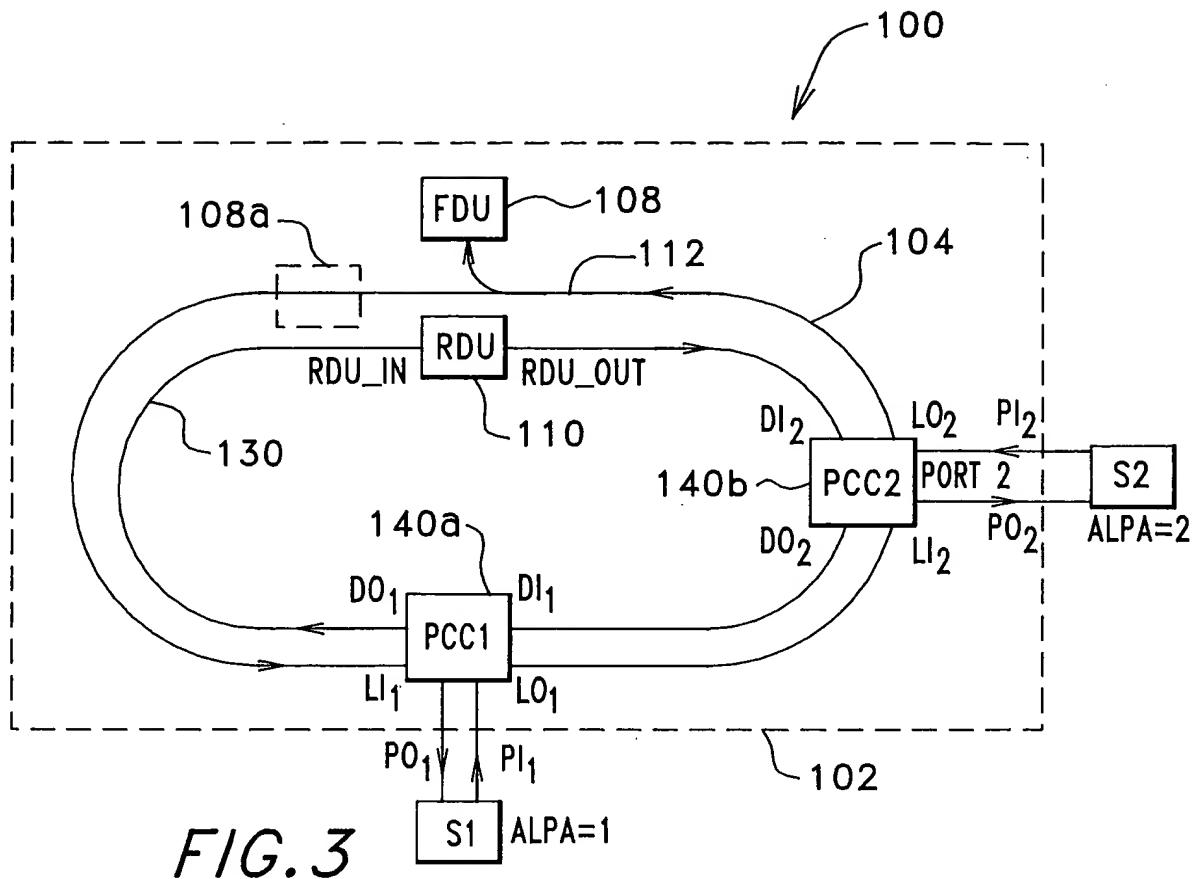


FIG. 3

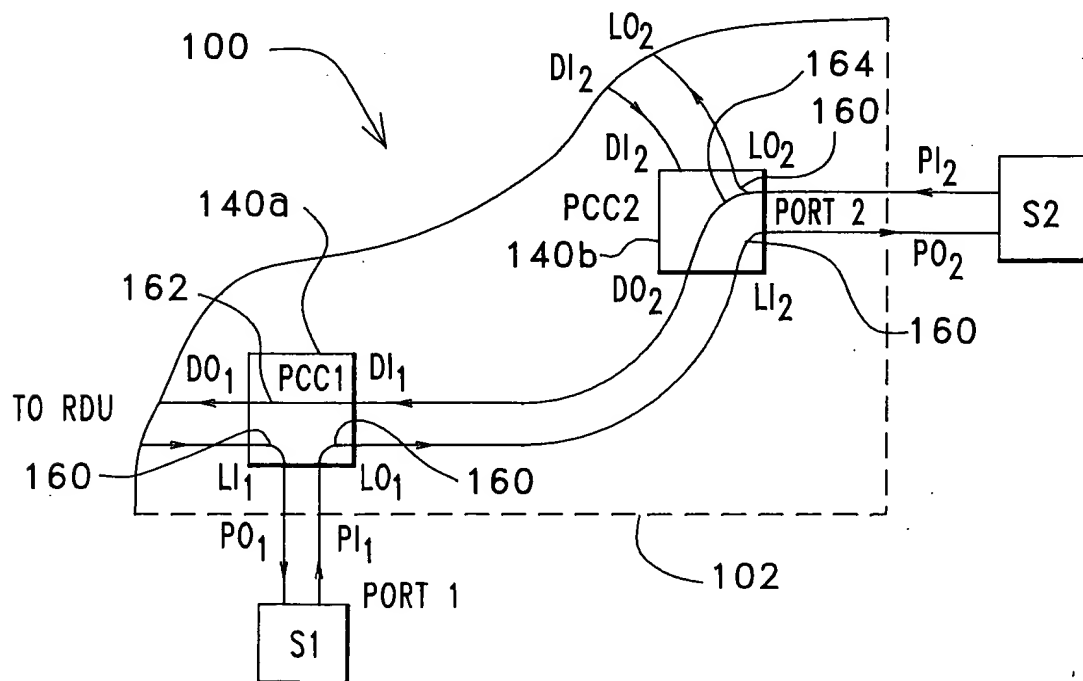


FIG. 5

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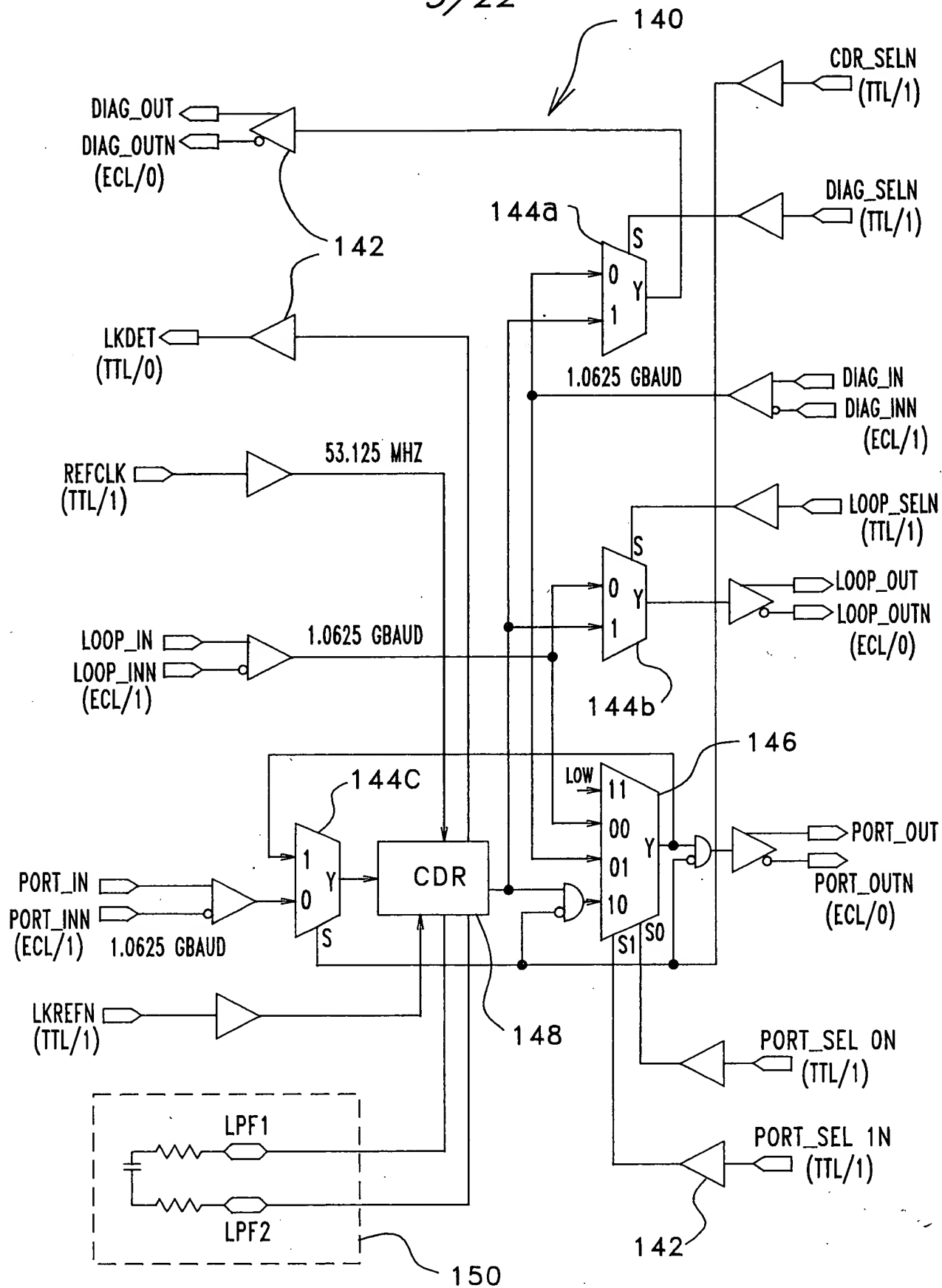


FIG. 4

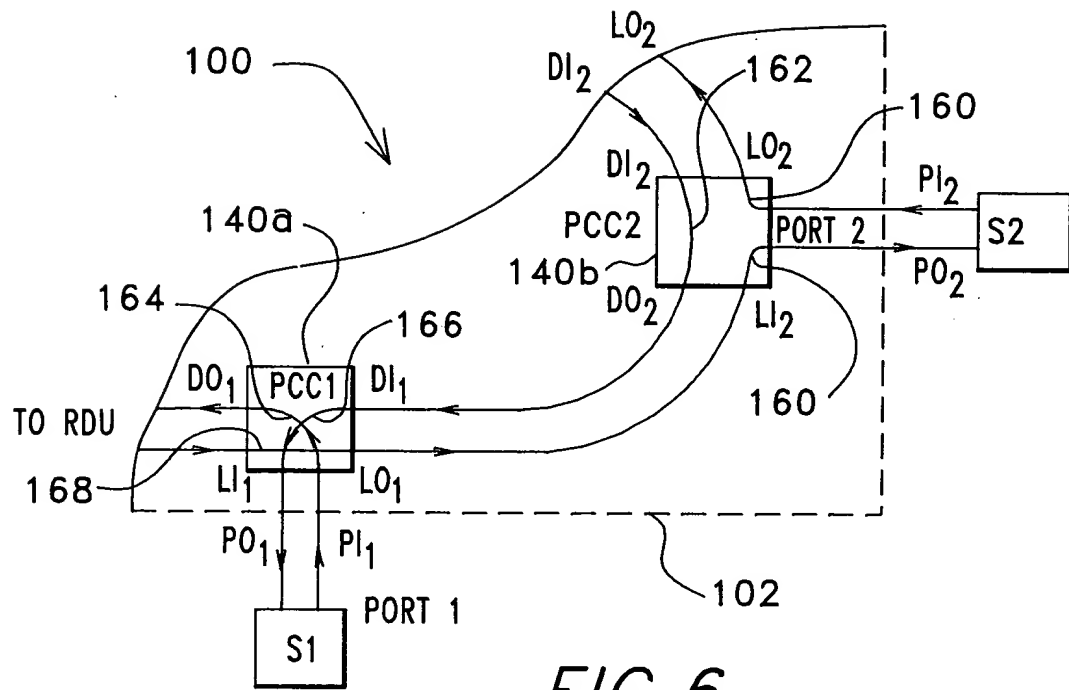


FIG. 6

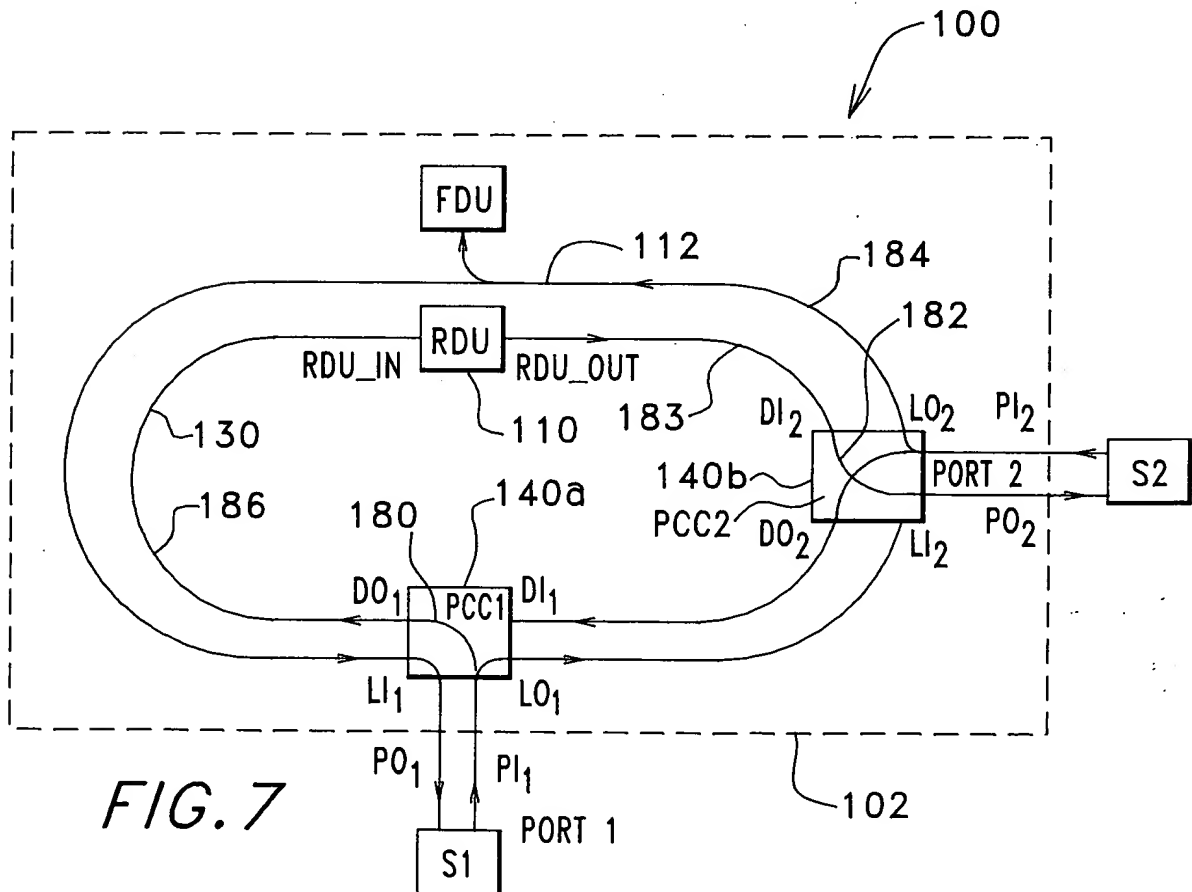


FIG. 7

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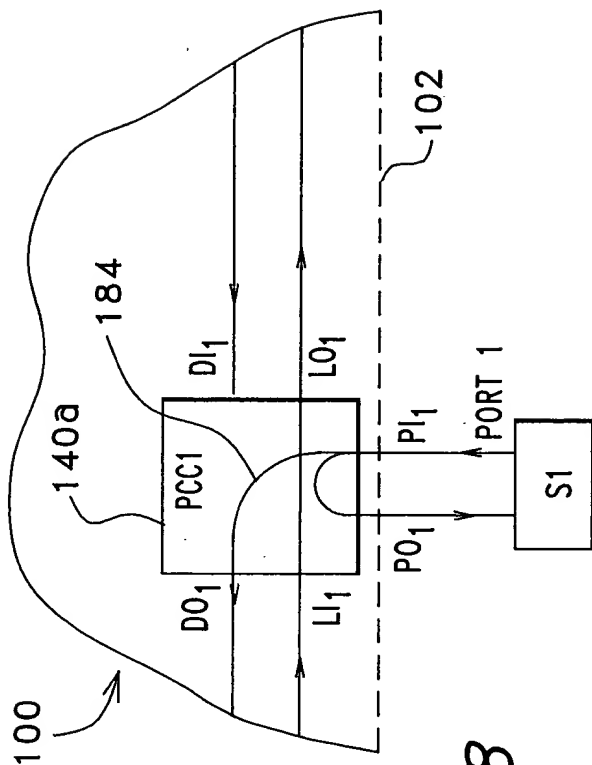


FIG. 8

234 200 236 238

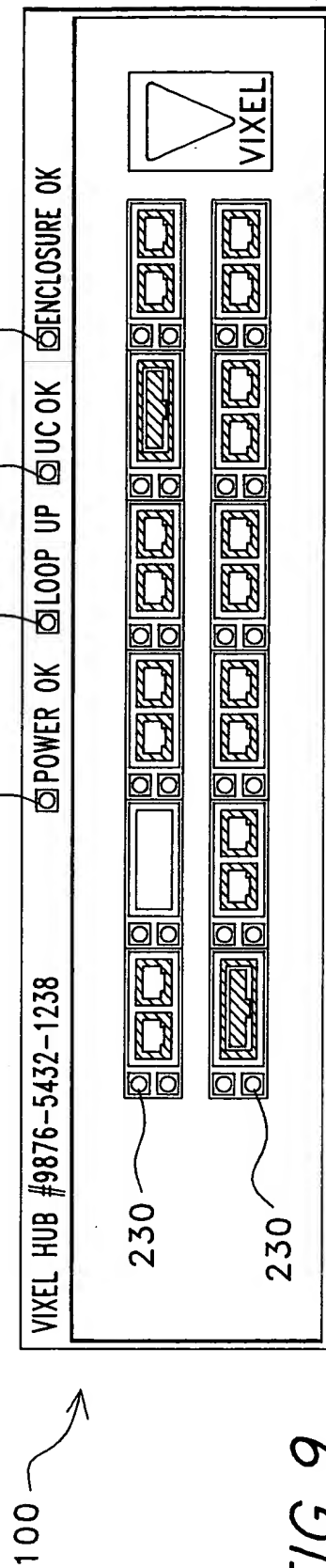


FIG. 9

+

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202

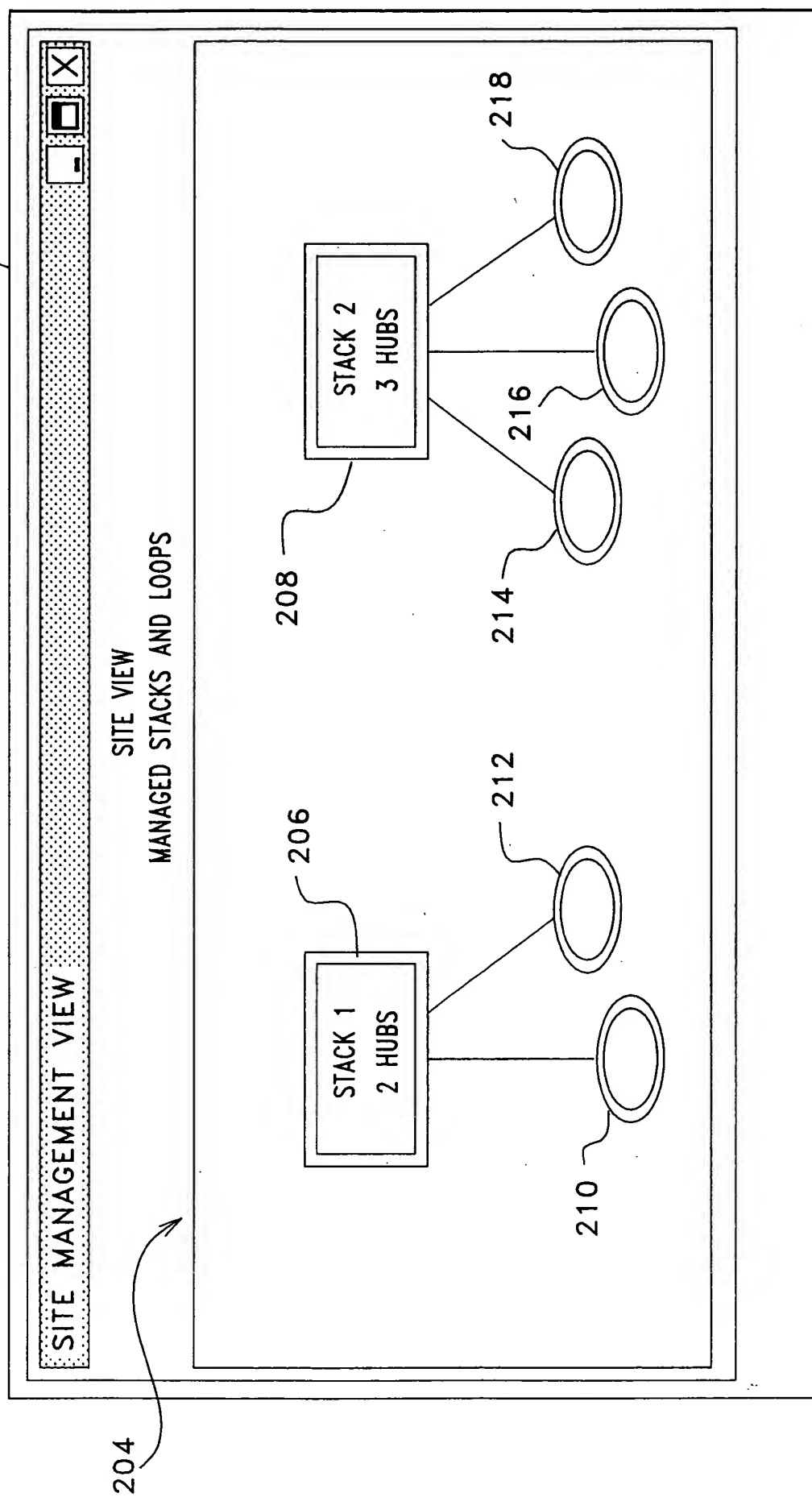


FIG. 10

+

220 7/22 214

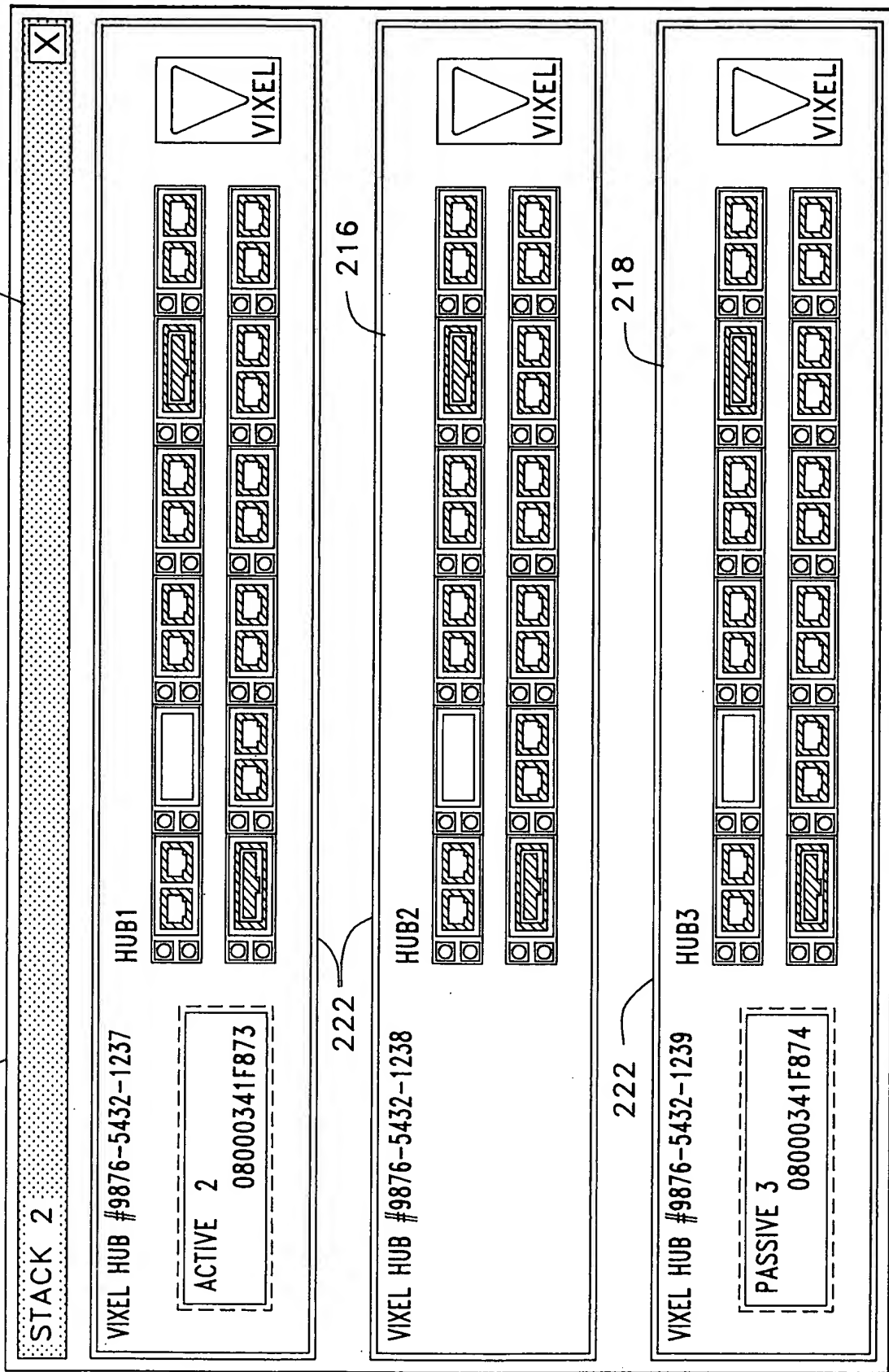


FIG. 11

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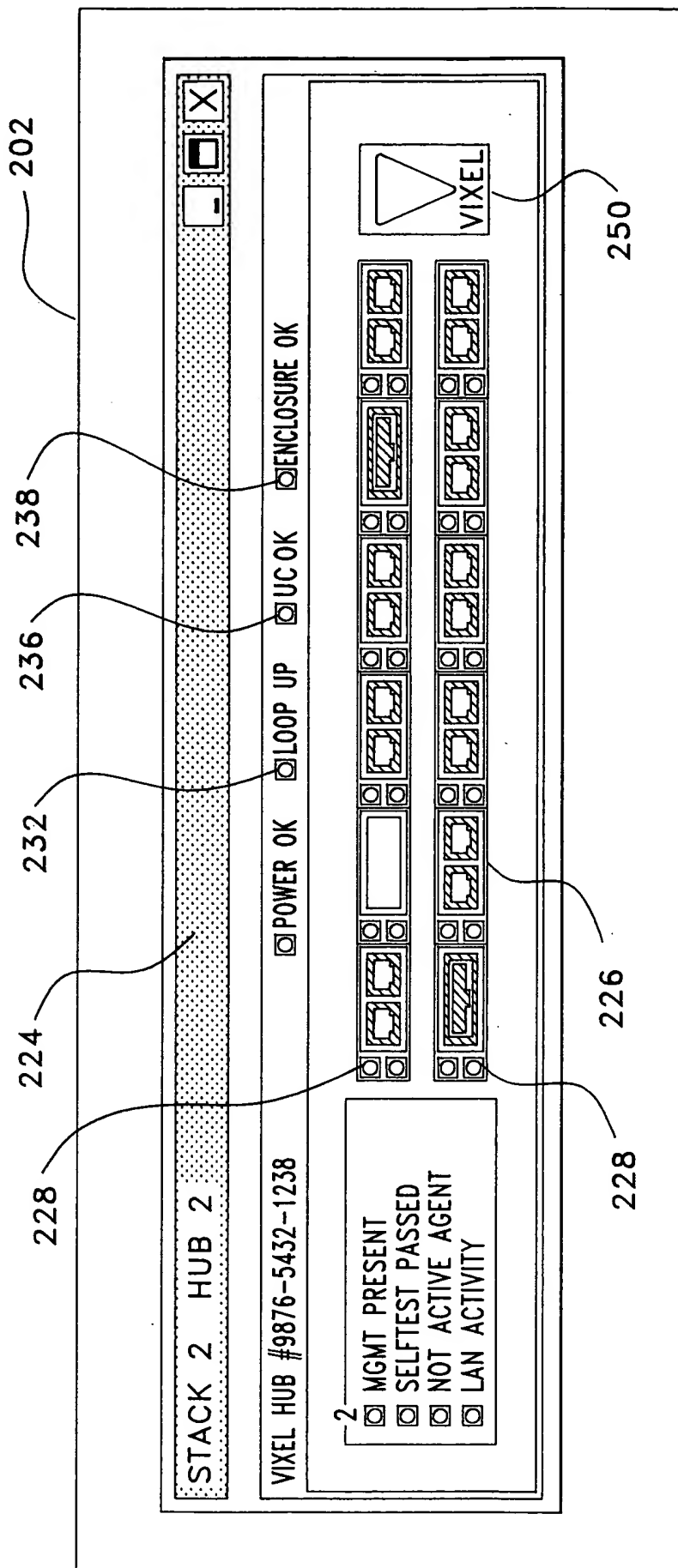


FIG. 12

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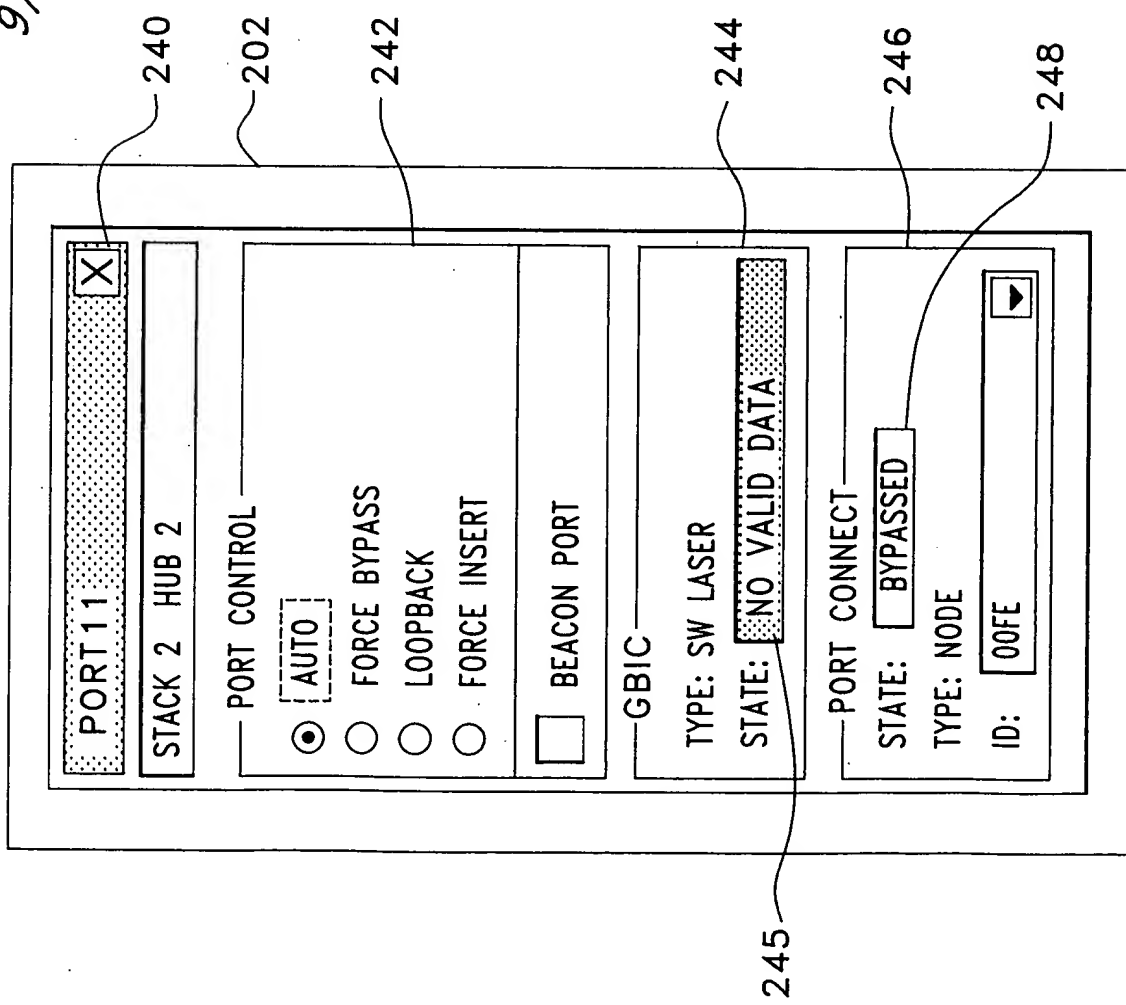


FIG. 13

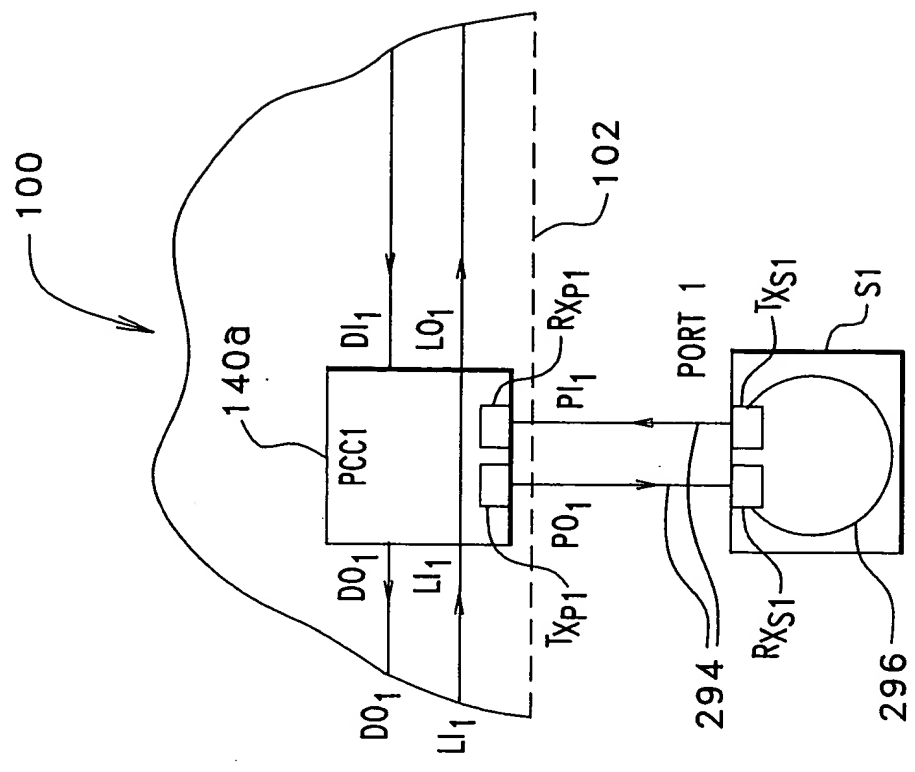


FIG. 16

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202

VIXEL DIAGNOSTIC AND POLICIES: 38.244.18.62-03001067

PORT

HUB

LOOP

POLICIES

AGENT

SWEEP

PORT DETECTION

1

2

3

4

5

6

7

8

9

10

11

12

	1	2	3	4	5	6	7	8	9	10	11	12	
PLL LOCK	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	PLL LOCK
LINK USABLE	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LINK USABLE
LIP [3X]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LIP [3X]
LIP[F7] [3X]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LIP[F7] [3X]
LIP[F8] [3X]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	LIP[F8] [3X]
OPN	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OPN
ARB	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	ARB
IDLE [3X]	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	IDLE [3X]
SOF	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	SOF
MATCH	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	MATCH
OTHER OS	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	OTHER OS

LOOP

DETECT

K28.5

ARB(F0)

20.4

16.7

16.7

MATCH SIG[1X]

☒
☐

MATCH SEQ[3X]

☐
☐

UPDATE INTERVAL: 4000 MS

PORT DETECT FOR: 300 MS

LOOP STATE

UP

CLEAR BITS

START SWEEP

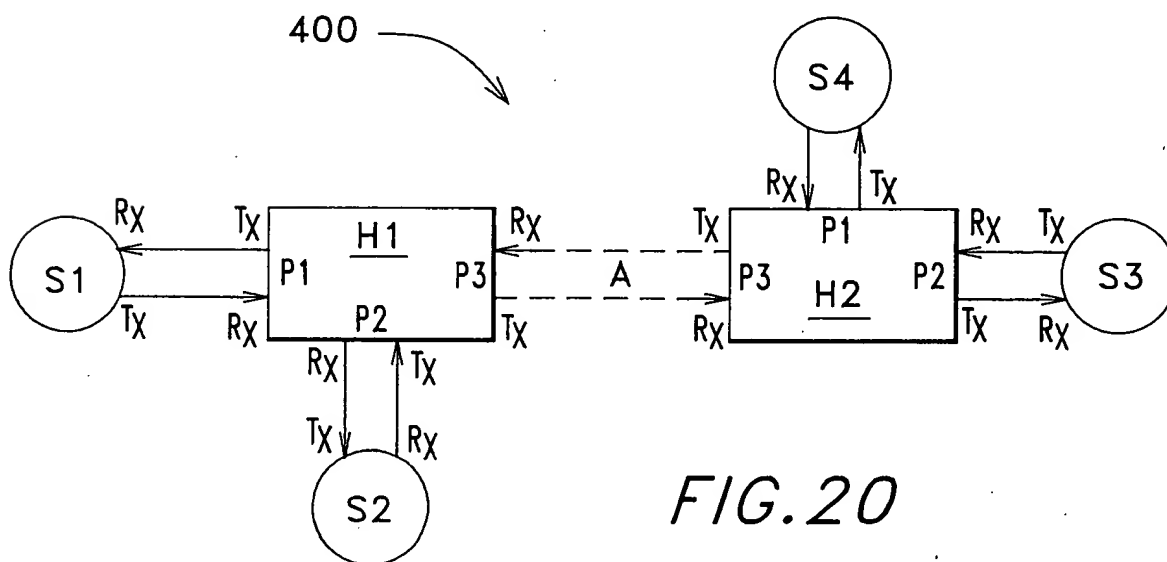
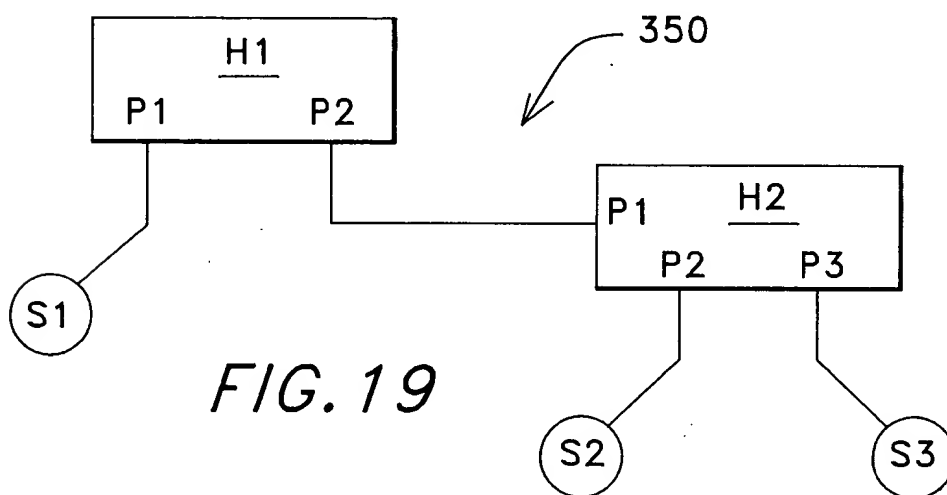
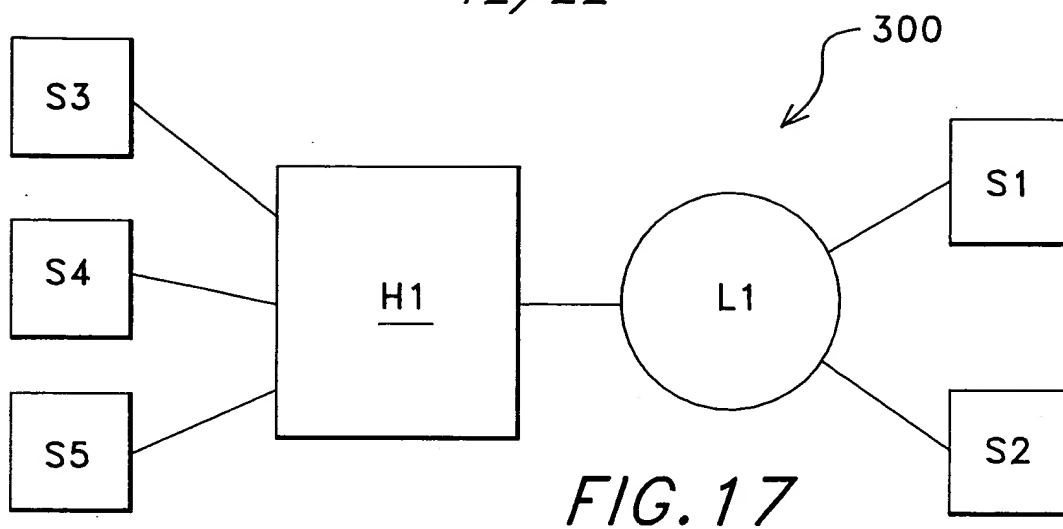
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FIG. 14

FIG. 15

+

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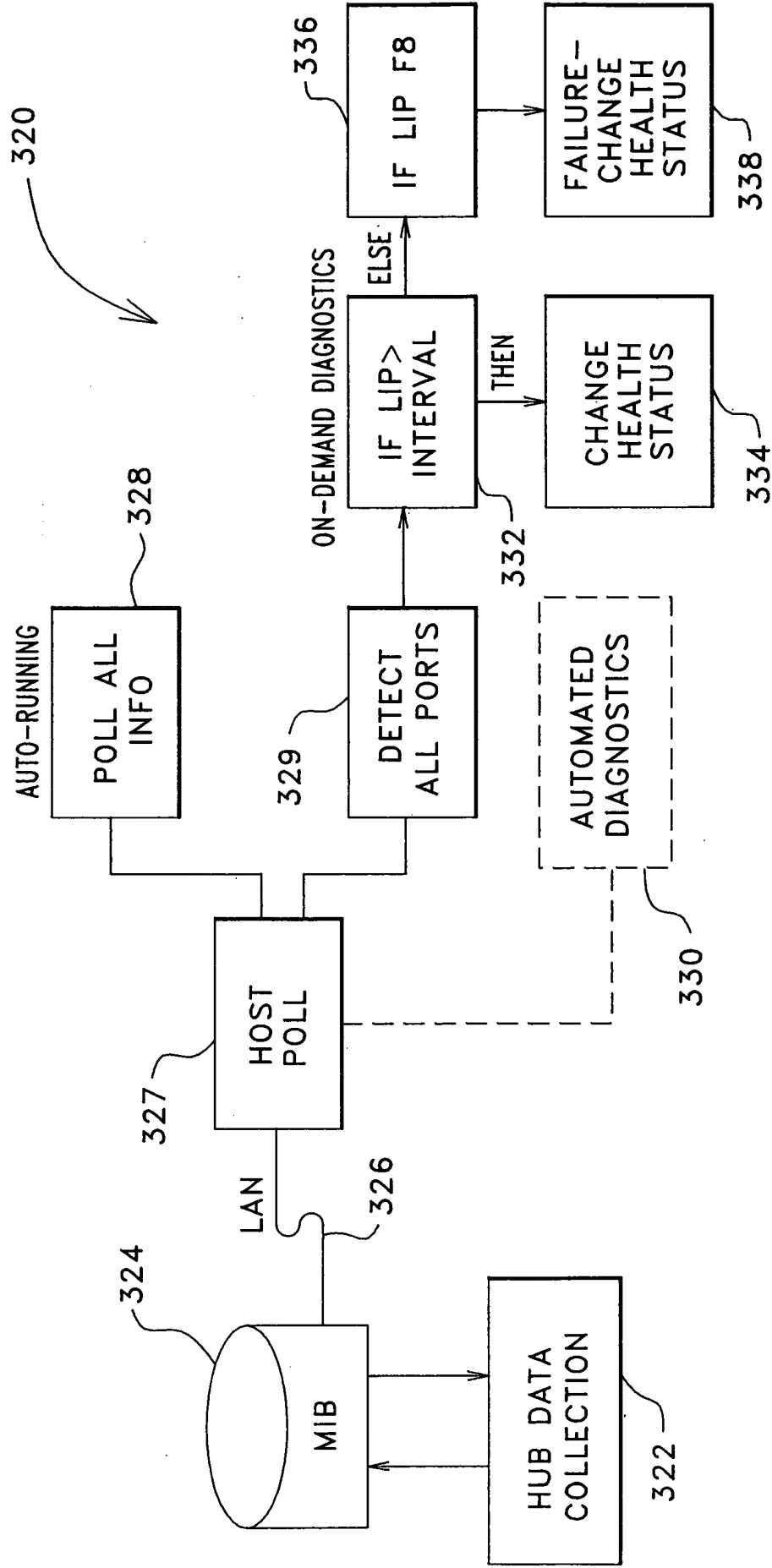


FIG. 18

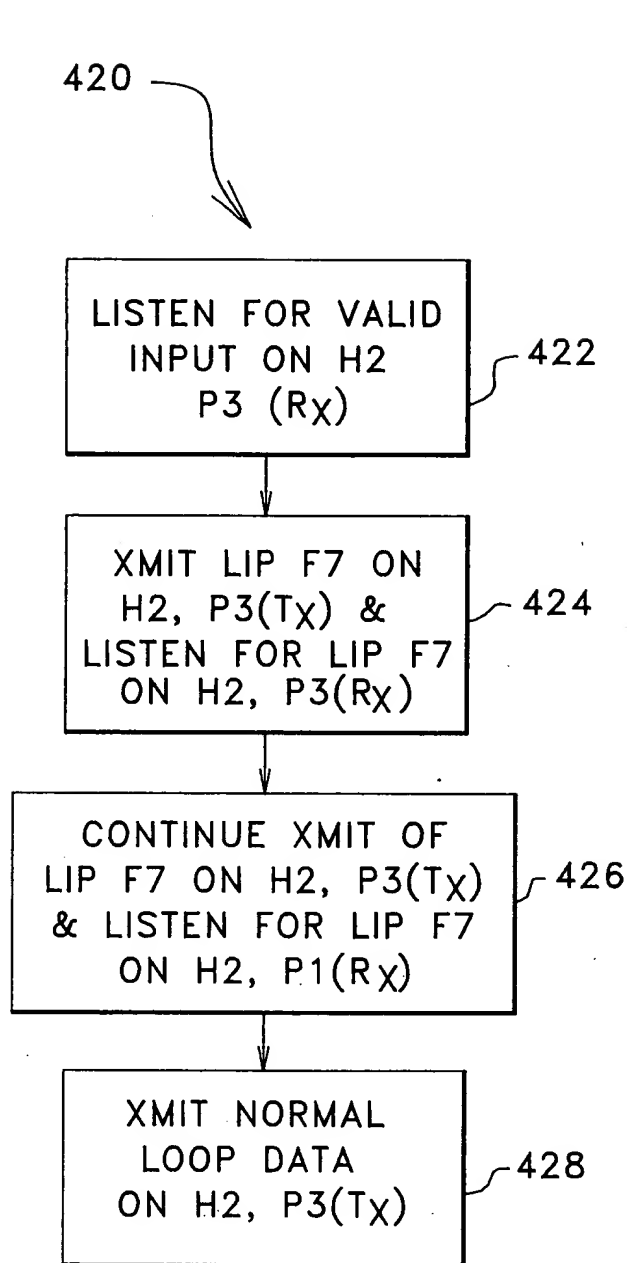


FIG.21

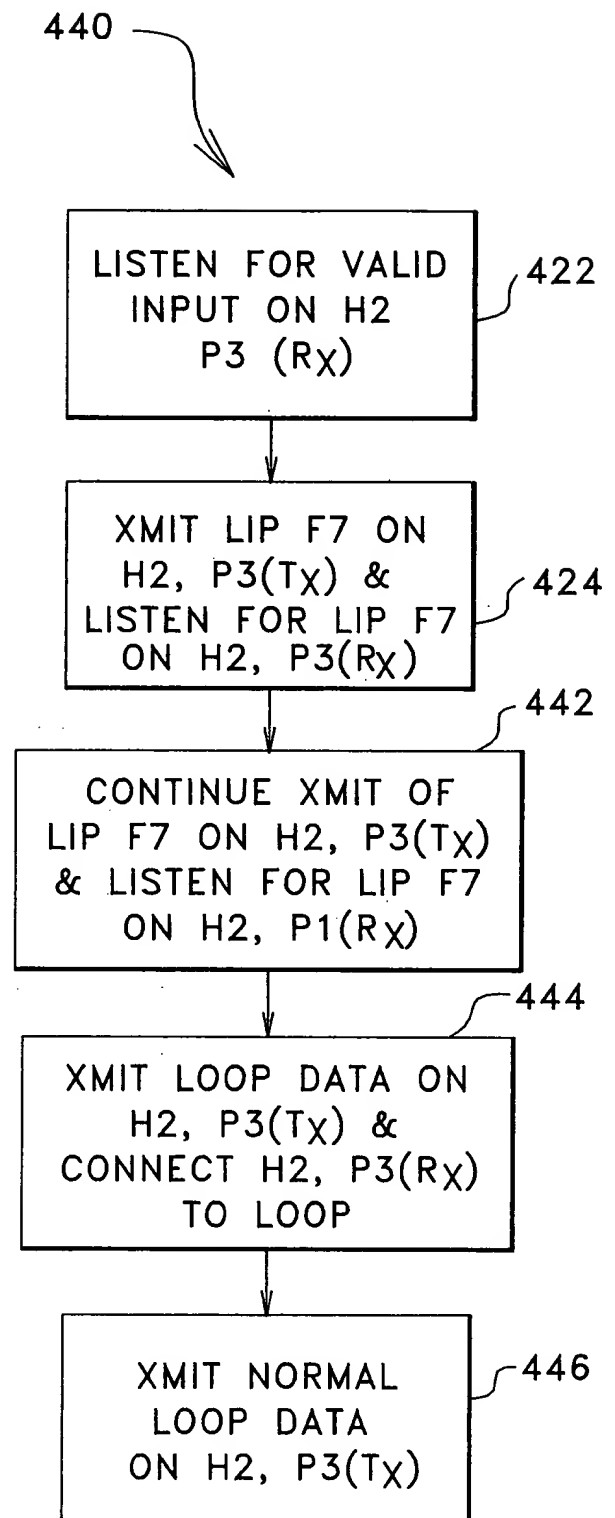


FIG.22

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REFCLK	1	30	CDR_SELN
LKDT	2	29	DIAG_SELN
VEET	3	28	LOOP_SELN
DIAG_OUT	4	27	DIAG_IN
DIAG_OUTN	5	26	DIAG_INN
VCCE	6	25	VCCG
LOOP_IN	7	24	LOOP_OUT
LOOP_INN	8	23	LOOP_OUTN
VEEG	9	22	VCCE
PORT_IN	10	21	PORT_OUT
PORT_INN	11	20	PORT_OUTN
LKREFN	12	19	VEEE
VEEP	13	18	PORT_SELON
LPF1	14	17	PORT_SEL1N
LPF2	15	16	VCCP

FIG.23

460



500

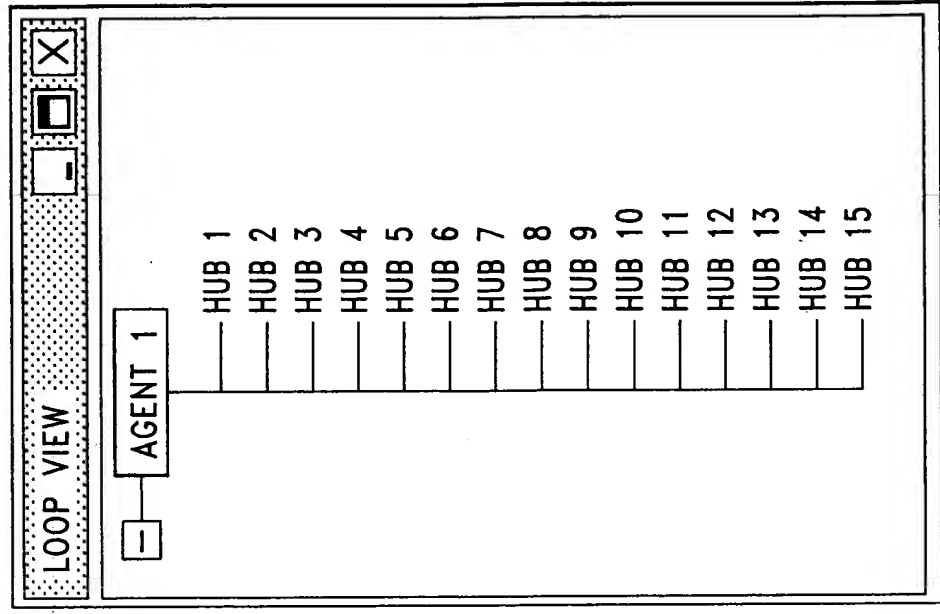


FIG.25

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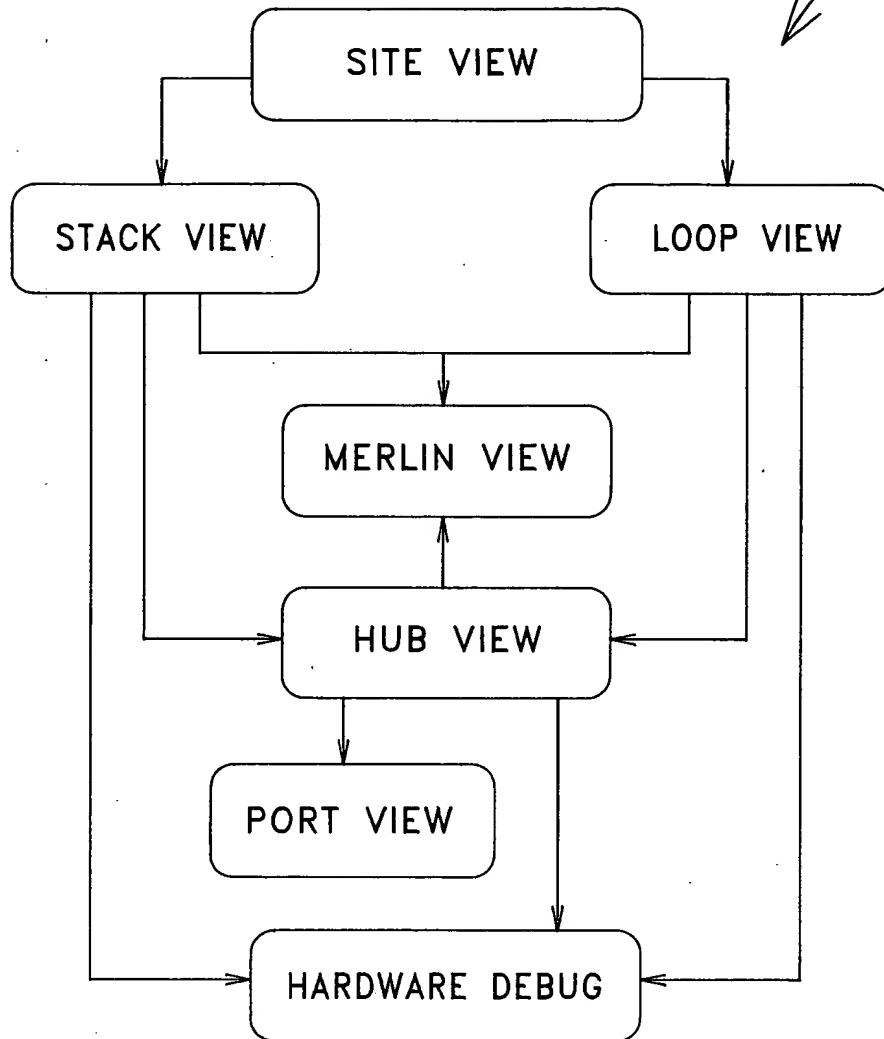
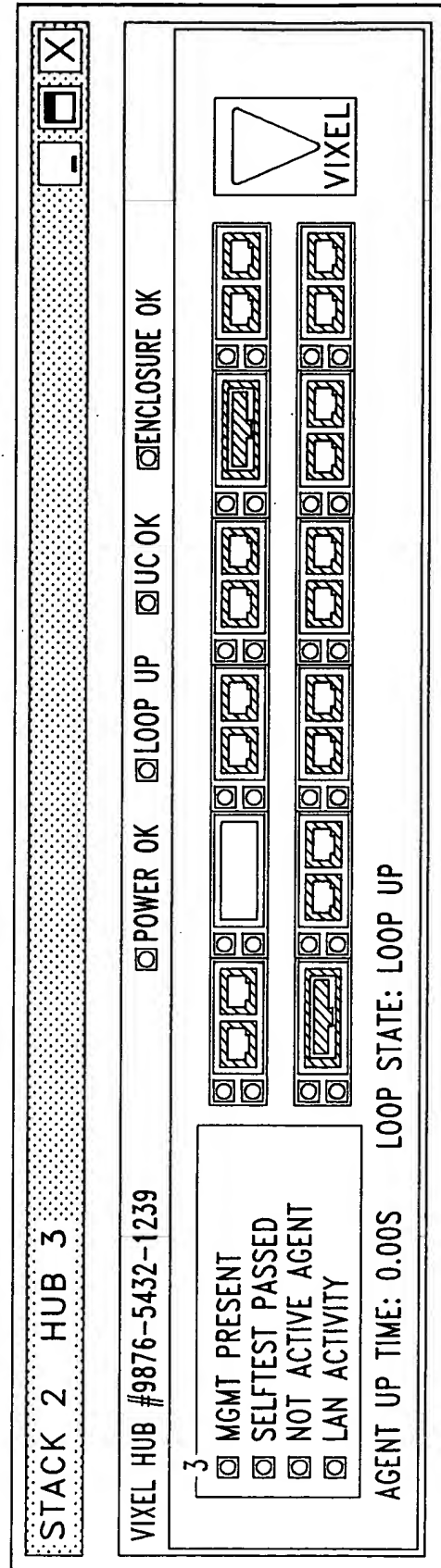
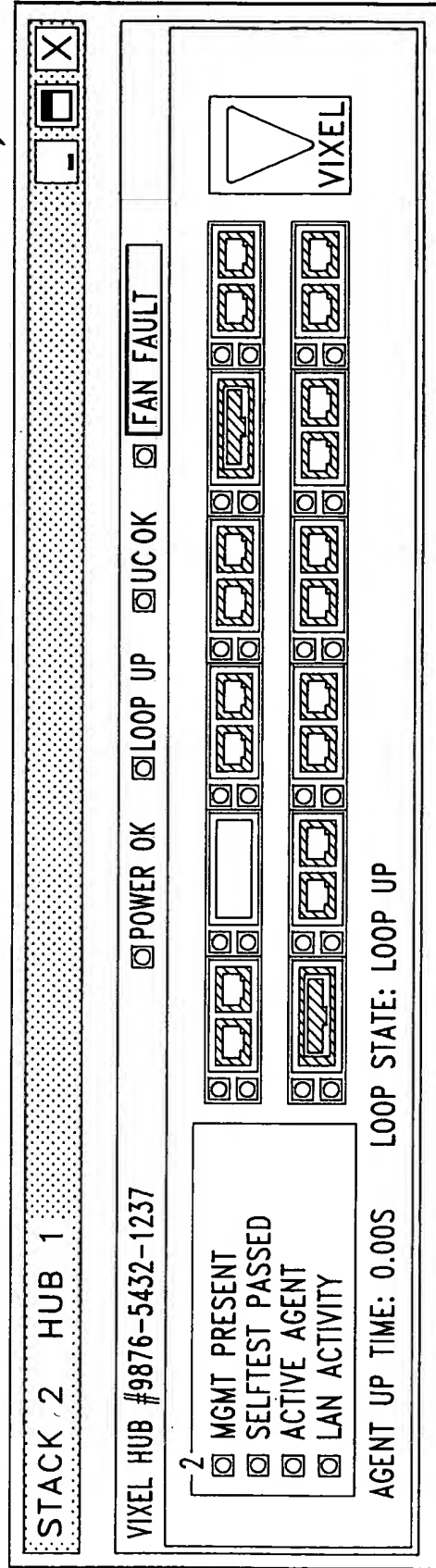


FIG.24

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MERLIN MANAGEMENT CARD STATUS SCREEN			
SERIAL#:	02-00197-0002	ACTIVE:	YES
HW REVISION:	01.01	SW REVISION:	01.01
LOCATION:	<u>BLDG 54</u>	NAME:	<u>MERLIN 1</u>
IP ADDRESS:	<u>24.34.233.148</u>	MAC ADDRESS:	080009123456
PRIORITY:	<u>7</u>	FORCE ACTIVE	
MGMT PASSWORD <u>*****</u>			

FIG.28



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HARDWARE DEBUG

PORTS

HUB

LOOP

STACK

AGENT

DETECT

SELECT PORT NUM

☐ 1

☐ 2

☐ 3

☐ 4

☐ 5

☐ 6

☐ 7

☐ 8

☐ 9

☐ 10

☐ 11

☐ 12

☐ 13

☐ 14

☐ 15

☐ 16

RESET PORTS

RESET 12C

HUB SELECTED: HUB SN

HUB DIAGNOSTICS

☐ MATCH:
OR
☐ K28.5

☐

☐

☐

MATCH BASED ORDERED SET CAPTURE

☐ K28.5

☐

☐

☐

☐ DETECT WHILE CHECKED

☐ COUNT WHILE CHECKED: 0

DETECTED: NONE

582

FIG.30

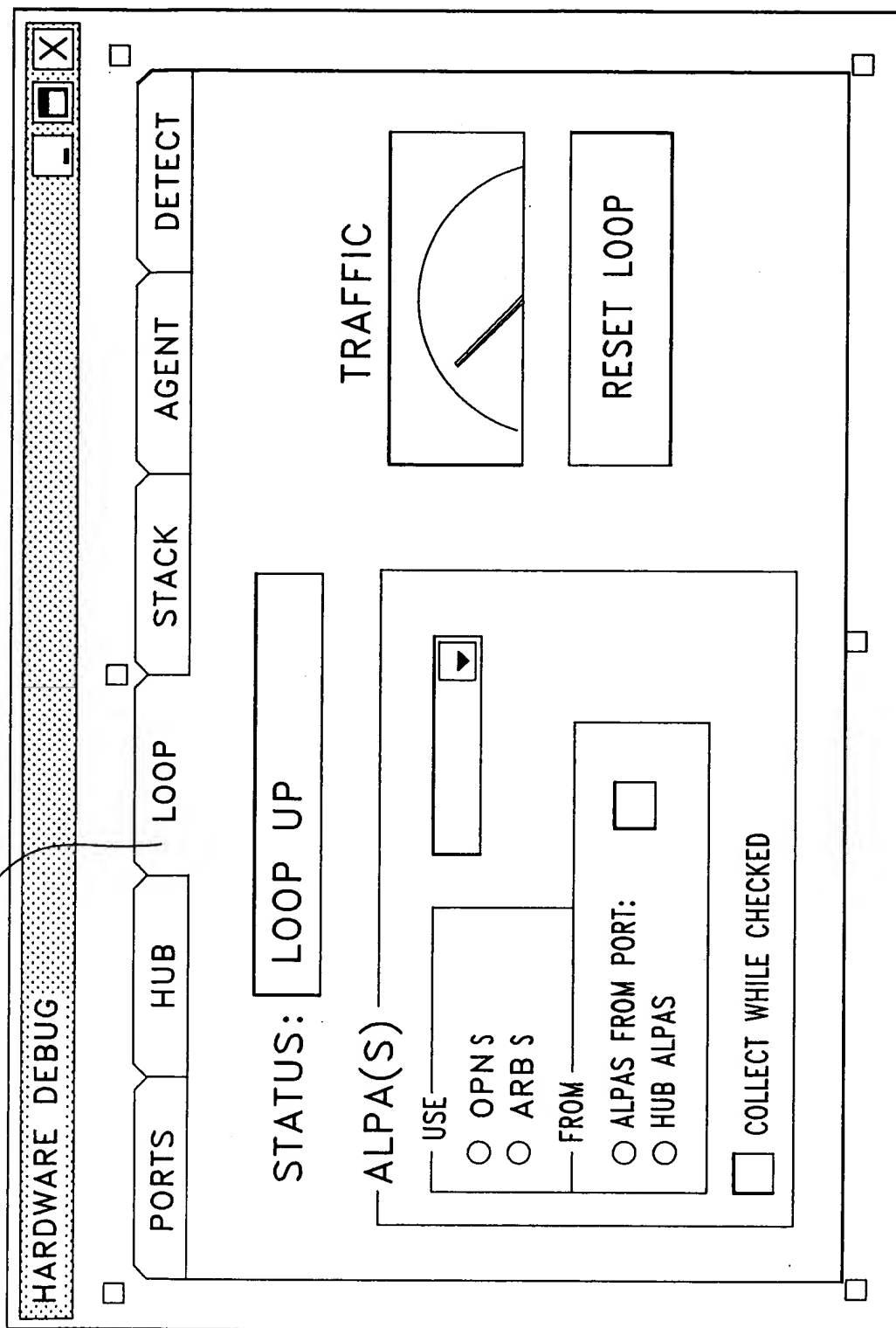


FIG. 31

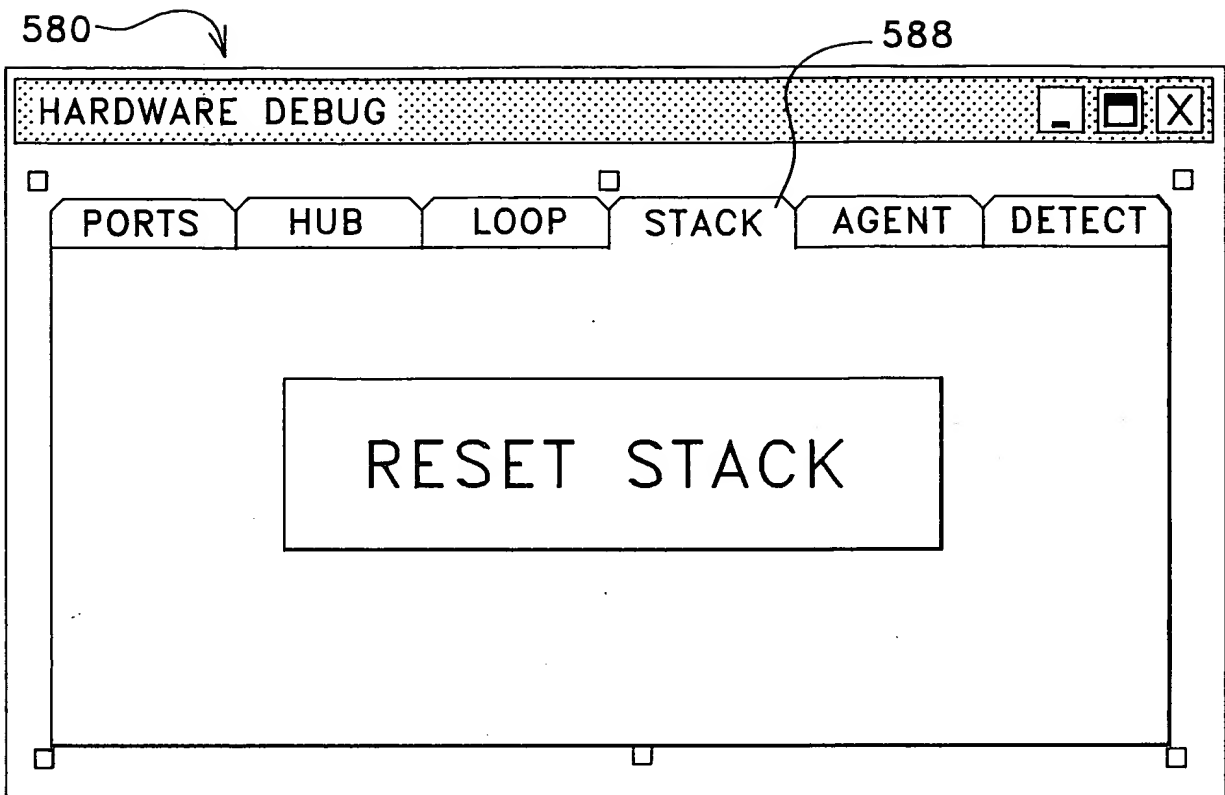


FIG. 32

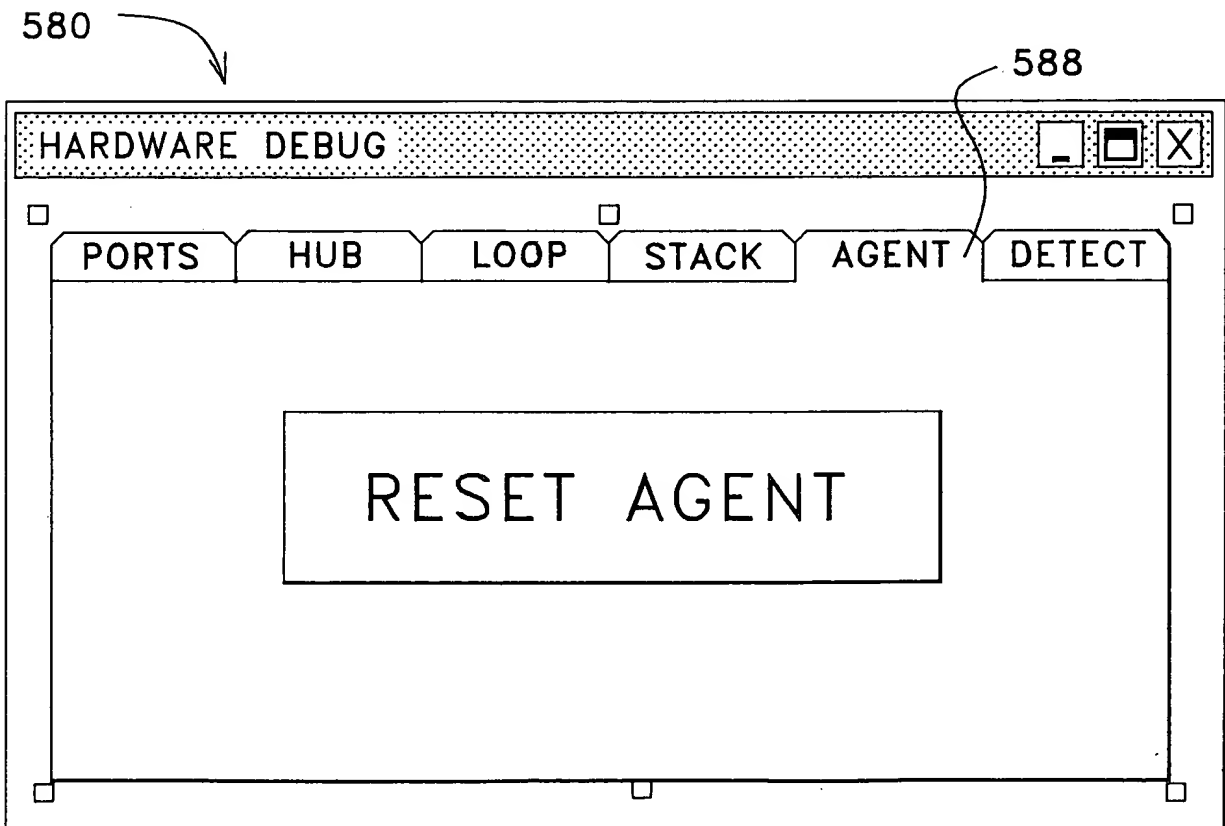


FIG. 33

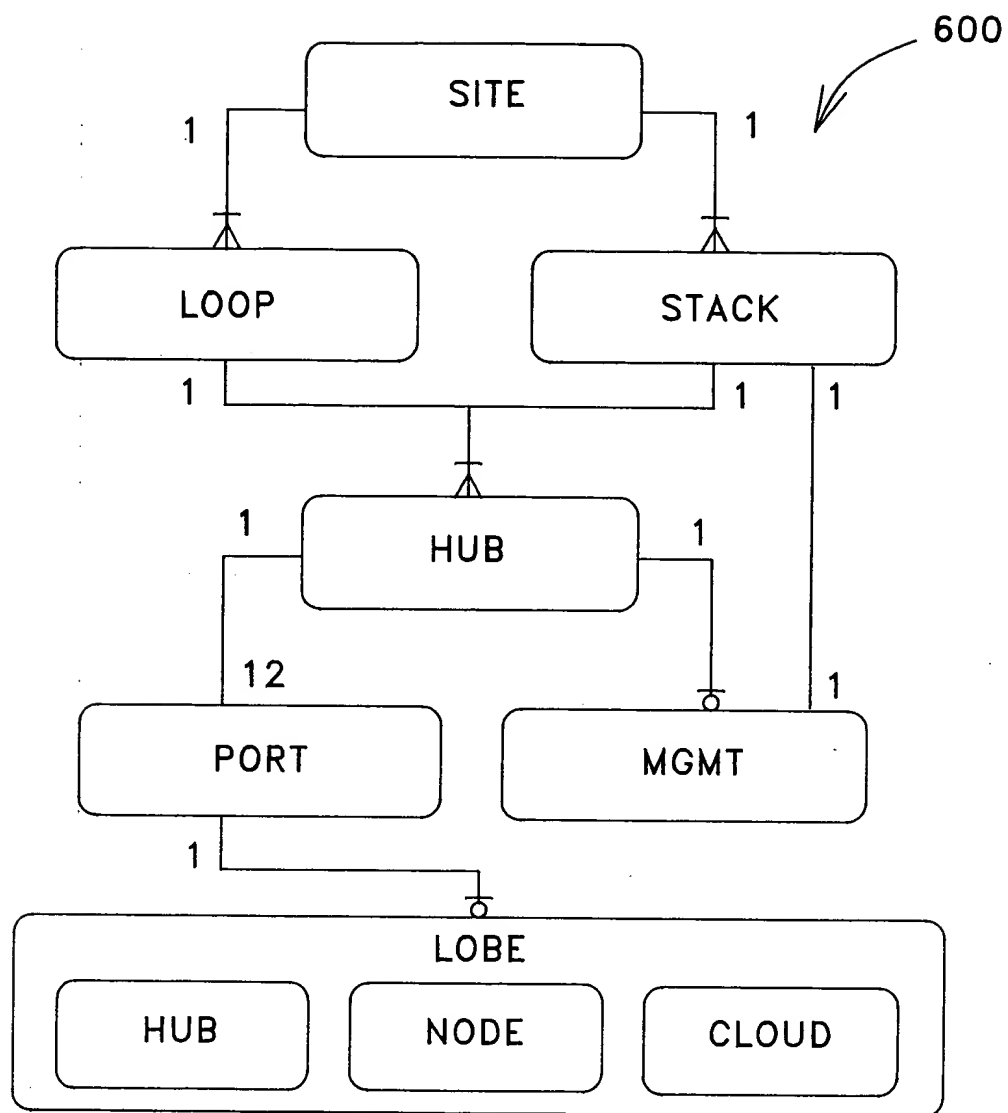


FIG. 34